

WHAT IS CLAIMED IS:

1. An information mining system for analyzing data stored in a database by employing an analyzing tool, comprising:

an operation history data holding unit for recording therein both an operation history of the analyzing tool which was carried out in the past in said analyzing operation, and an operation history of the analyzing tool under analyzing operation; and

a history comparing unit for judging as to whether or not said operation history of the analyzing tool executed in the past is resembled to the operation history of the analyzing tool under analyzing operation, and operated in such a manner that when said history comparing unit judges that the operation history of the analyzing tool executed in the past is resembled to at least a portion of the operation history of the analyzing tool under analyzing operation, the history comparing unit notifies said partial resemblance of the operation history with respect to the analyzing tool under analyzing operation.

2. An information mining system as claimed in claim 1 wherein:

a terminal equipped with said analyzing tool is connected to the information mining system, into which an operation of said analyzing tool is entered; and

said operation history data holding unit

records therein a history of the operation of said analyzing tool entered into said terminal.

3. An information mining system as claimed in claim 2 wherein:

    said terminal is comprised of an analyzing-purpose data holding unit for holding therein at least a portion of the data stored in the database; and

    said analyzing tool analyzes the data held in said analyzing-purpose data holding unit.

4. An information mining system as claimed in any one of claim 1 wherein:

    said information mining system is further comprised of:

    a consequence data holding unit for holding therein operation history data in correspondence with such a fact that said operation history data has been recorded in any of the operation histories recorded in said operation history data holding unit.

5. An information mining system as claimed in claim 4 wherein:

    said consequence data holding unit records therein a consequence which is obtained by said analyzing operation, and holds a correspondence relationship between said operation history and said consequence; and

    in the case that said history comparing unit judges that the recorded content of said operation history data holding unit is resembled to at least a

portion of the recorded content of said consequence data holding unit, said history comparing unit notifies such a partial resemblance of the recorded content with respect to the analyzing tool under analyzing operation.

6. An information mining system as claimed in claim 5 wherein:

in the case that said history comparing unit judges that the operation history of the analyzing tool executed in the past is resembled to at least a portion of the operation history of the analyzing tool under analyzing operation, said history comparing unit classifies the consequence which has been recorded in correspondence with said operation history.

7. An information mining system as claimed in claim 6 wherein:

said history comparing unit classifies the recorded content of said consequence data holding unit into a first case that both said consequences and said operation histories are resembled to each other; into a second case that said consequences are not resembled to each other, but said operation histories are resembled to each other; into a third case that said consequences are resembled to each other, and said operation histories are not resembled to each other; and into a fourth case that both the consequences and the operation histories are not resembled to each other.

8. An information mining terminal connected to an information mining system for analyzing data stored

in a database by employing an analyzing tool, into which an operation of said analyzing tool is entered, wherein:

in such a case that said information mining system judges that a recorded content of an operation history of the analyzing tool under analyzing operation is resembled to at least a portion of a recorded content of an operation history of the analyzing tool which was carried out in said analyzing operation, said information mining terminal displays said partial resemblance of said recorded contents.

9. An information mining terminal as claimed in claim 8 wherein:

said information mining terminal is comprised of said analyzing tool; and

the analyzing tool analyzes the data stored in the database by employing a calculation resource provided in said information mining terminal.

10. An information mining terminal as claimed in claim 9 wherein:

said information mining terminal is comprised of an analyzing-purpose data holding unit for holding therein at least a portion of said data stored in said database; and

said analyzing tool analyzes the data held in said analyzing-purpose data holding unit.

11. A program for causing an information mining system which analyzes data stored in a database by

employing an analyzing tool to analyze said stored data, wherein:

    said program causes said information mining system to execute:

        a sequence for recording an operation history of an analyzing tool which has been carried out in said analyzing operation, and a consequence obtained by said analyzing operation in correspondence with said operation history;

        a sequence for recording an operation history of the analyzing tool under analyzing operation;

        a sequence for judging as to whether or not said operation history recorded in correspondence with said consequence is resembled to the operation history under said analyzing operation; and

        a sequence executed in such a manner that when such a judgement is made that the operation history recorded in correspondence with said consequence is resembled to at least a portion of the operation history under said analyzing operation, such a partial resemblance of the operation histories is notified with respect to the analyzing tool under said analyzing operation.

12.       A program for causing an information mining terminal connected to an information mining system for analyzing data stored in a database by employing an analyzing tool, into which an operation of said analyzing tool is entered, to execute an operation

related to an analyzing operation of said stored data;  
wherein:

    said program causes said information mining  
terminal to execute:

        a sequence executed in such a manner that  
when said information mining system judges that a  
recorded content of an operation history of the  
analyzing tool under analyzing operation is resembled  
to at least a portion of a recorded content of an  
operation history of the analyzing tool which was  
carried out in said analyzing operation, said  
information mining terminal receives a notification as  
to said partial resemblance of said recorded contents;  
and

        a sequence executed in such a manner that  
said partial resemblance is displayed based upon a  
result of said notification reception.